OpenGL Super Tutorial -> <https://youtube.com/playlist?list=PLf8EAse10pKcZ5AUN2Mmq8beu4IZ-AhRm&si=gYHCmsAXVI7aBAbOs>

**Modal and Sem Lab Questions**

Cohen sutherland clipping algorithm for only clipping w.r.t. Bottom boundary

3D rotation w.r.t. X Axis to any arbitrary angle

Protractor (bresenham midpoint) & 3d wire torus and animation

Simulate a working pendulum (rotation)

Simulate a fish tank with fishes swimming it in (bresenham midpoint)

Smiling Star Looking at a mirror( Reflection and Circle Drawing)

3D Cone Animation perspective projection

Simulate raindrops falling into a container (2d translate for raindrops)

Draw a strawberry donut with sprinkles(2d)(use midpoint circle drawing)

Simulate a bouncing ball in 3D

Print “SSN CSE” using bresenham’s and mid-point circle algo (OpenGL)

Animated flying 3D Teapot landing on its saucer (OpenGL)

Draw the Tamil letter இ using Circle drawing Algorithm in OpenGL.

Balloon motion using 2d transformation

Draw windmill and rotate using transformation matrix

Draw Coronavirus(2d) and animate

Night sky, mountain, house, 3d moon

Draw a Car wheel using Bresenham and Midpoint algorithm and Rotate it.

Simulation of analog clock using line and circle drawing algorithms (with animation)

Draw Book using primitives and it's reflection

One yinyang symbol using midpoint circle algo

**Gimp Questions**

Gimp - add gaussian blur, lens blur, full opacity mask for some text.

Create an animated GIF for a rotating table fan using GIMP.

Animation of clock tower using gimp

gimp animation (christmas tree with lighting)

Gimp la solar system animation